

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:
a light source;
deflecting means for deflecting light emitted from
5 said light source by a rotation;
a mirror for deflecting the light deflected by
said deflecting means;
an image bearing body to which the light deflected
by said mirror is irradiated; and
10 a lens for image-forming the light deflected by
said deflecting means onto said image bearing body,
wherein a plurality of lights are deflected by
said one deflecting means and only said one mirror
exists in an optical path along which said one light
15 deflected by said deflecting means reaches said image
bearing body.
2. An image forming apparatus according to claim 1,
wherein said mirror and said image bearing body are
20 provided plurally, and said mirror and said image
bearing body are provided for each of said plurality of
lights deflected by said deflecting means.
3. An image forming apparatus according to claim 2,
25 wherein an arrangement pitch of said mirrors and an
arrangement pitch of said image bearing bodies are
almost the same.

4. An image forming apparatus according to claim 1,
wherein said deflecting means has one polygon mirror,
said polygon mirror deflects two lights, and said
mirror is provided for each of said two deflected
lights.

5. An image forming apparatus according to claim 4,
further comprising an optical box for containing at
least said deflecting means and said two mirrors.

6. An image forming apparatus according to claim 4,
wherein two said deflecting means are provided.

7. An image forming apparatus according to claim 1,
wherein said mirror and said image bearing body are
provided plurally, said deflecting means has two
polygon mirrors, each of said polygon mirrors deflects
two lights, and said mirror and said image bearing body
are provided for each of said four deflected lights.

8. An image forming apparatus according to claim 7,
wherein an arrangement pitch of said mirrors each of
which is provided for each of said two lights deflected
by one said polygon mirror is almost the same as an
arrangement pitch of said image bearing bodies, and an
arrangement pitch of said mirrors each of which is
provided for each of said two lights deflected by the

other polygon mirror almost three times as large as the arrangement pitch of said image bearing bodies.

9. An image forming apparatus according to claim 7,
5 further comprising an optical box for containing at least said deflecting means and said four mirrors.

10. An image forming apparatus according to claim 1, wherein said mirror is provided in the optical path
10 along which the light deflected by said deflecting means reaches said lens.

Sub
A-7 11. An image forming apparatus comprising:
a light source;
15 deflecting means for deflecting light emitted from said light source by a rotation;
a mirror for deflecting the light deflected by said deflecting means;
an image bearing body to which the light deflected
20 by said mirror is irradiated; and
a lens for image-forming the light deflected by said deflecting means onto said image bearing body,
wherein in an optical path along which the light
deflected by said deflecting means is directed toward
25 said image bearing body, said lens is provided on a downstream side of said mirror.

12. An image forming apparatus according to claim
11, wherein said deflecting means includes a polygon
mirror having a reflecting surface, and said lens
corrects an inclination of the reflecting surface of
5 said polygon mirror.

13. A scanning optical apparatus comprising:
a light source;
deflecting means for deflecting light emitted from
10 said light source by a rotation;
a mirror for deflecting the light deflected by
said deflecting means; and
a lens through which the light deflected by said
mirror is transmitted.

14. A scanning optical apparatus according to claim
13, wherein said deflecting means includes a polygon
mirror having a reflecting surface, and said lens
corrects an inclination of the reflecting surface of
20 said polygon mirror.

add
A₂
add
C'
add
E'
add